

April 16, 2004

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Doris Curry
ELAB of Tennessee, LLC
227 French Landing Drive
Nashville, TN 37228

Dear Ms. Curry:

This correspondence addresses the recent evaluation of ELAB of Tennessee, LLC of Nashville, TN by the U.S. Army Corps of Engineers (USACE) for chemical analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program.

Your laboratory is now validated for the parameters listed below:

<u>METHOD⁽¹⁾</u>	<u>PARAMETERS</u>	<u>MATRIX⁽²⁾</u>
300.1	Anions ⁽⁵⁾	Water ⁽³⁾
9010B/9012A	Cyanide	Water ⁽³⁾
9013/9012A	Cyanide	Solids ⁽³⁾
8330	Explosives	Water ⁽³⁾
8330	Explosives	Solids ⁽³⁾
8151A	Herbicides	Water ⁽³⁾
8151A	Herbicides	Solids ⁽³⁾
3510C/8081A	Organochlorine Pesticides	Water ⁽³⁾
3540B/3550B/3541/8081A	Organochlorine Pesticides	Solids ⁽³⁾
3510C/8082	Polychlorinated Biphenyls	Water ⁽³⁾
3540B/3550B/3541/8082	Polychlorinated Biphenyls	Solids ⁽³⁾
314.0	Perchlorate	Water ⁽³⁾
314.0M	Perchlorate	Solids ⁽³⁾
3510C/8270C	Semivolatile Organics	Water ⁽³⁾
3540B/3550B/3541/8270C	Semivolatile Organics	Solids ⁽³⁾
3005A/3010A/6010B/7470A	TAL Metals ⁽⁴⁾	Water ⁽³⁾
3050B/6010B/7471A	TAL Metals ⁽⁴⁾	Solids ⁽³⁾
9060	TOC	Water ⁽³⁾
9060M	TOC	Solids ⁽³⁾

3510C/Mod 8015B	TPH - DRO/GRO	Water ⁽³⁾
3540B/3550B/3541/Mod 8015B	TPH - DRO/GRO	Solids ⁽³⁾
5030B/5035/8260B	Volatile Organics	Water ⁽³⁾
5030B/5035/8260B	Volatile Organics	Solids ⁽³⁾

- Remarks:
- 1) Sample preparation methods have been added to reflect program policy change.
 - 2) 'Solids' includes soils, sediments, and solid waste.
 - 3) The laboratory has successfully analyzed a Proficiency Testing (PT) sample for this method/matrix.
 - 4) TAL Metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.
 - 5) Anions: Chloride, fluoride, sulfate, nitrate, nitrite, and ortho-phosphate.

Enclosed for your information is a copy of the Laboratory Inspection and Evaluation Report. Your laboratory has responded to the deficiencies as noted in the report. No further responses are necessary.

Based on the successful analysis of the National Environmental Laboratory Accreditation Conference Proficiency Testing samples for the appropriate fields of testing, the results of the laboratory inspection, and your Corrective Action Report, your laboratory will be validated for sample analysis by the methods listed above. The evaluation, which was conducted for your facility, is based substantially on ISO Guide 25 (General Requirements for the Competence of Testing Laboratories) and USACE Engineering Manual (EM) 200-1-3, Appendix I (Shell for Analytical Chemistry Requirements). The period of validation is 24 months and expires on April 16, 2006.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Richard Kissinger at (402) 697-2569. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

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Sincerely,

Marcia C. Davies, Ph.D.
Director, USACE Hazardous,
Toxic and Radioactive Waste
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